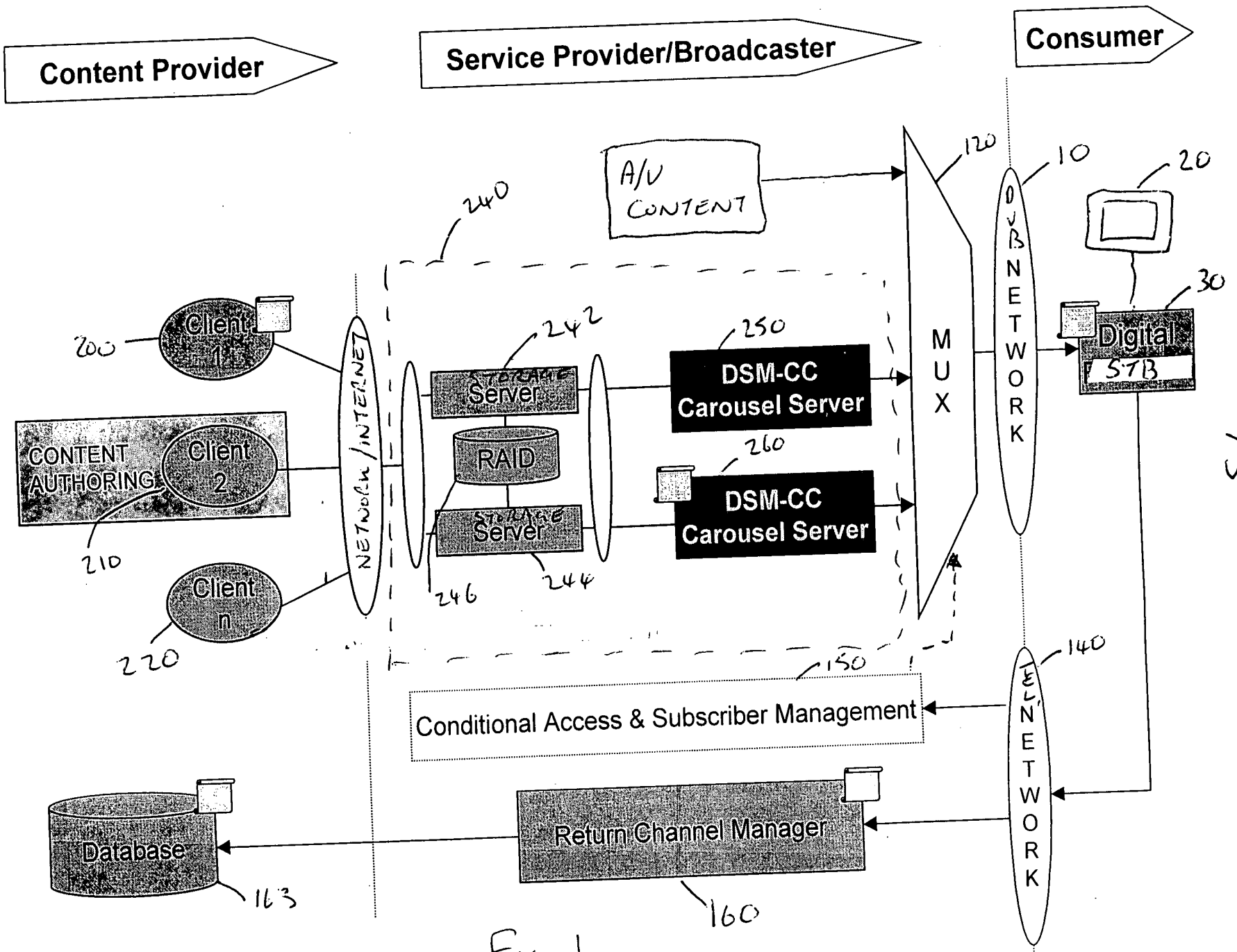
Content Provider
Service Provider/Broadcaster
Consumer
A/V CONTENT
240
120
10
20
30
Client 1
200
CONTENT AUTHORING
Client 2
210
Client n
220
NETWORK/INTERNET
242
Storage Server
RAID
Storage Server
246
244
250
DSM-CC Carousel Server
260
DSM-CC Carousel Server
MUX
DOWNSTREAM NETWORK
Digital STB
140
UPSTREAM NETWORK
150
Conditional Access & Subscriber Management
Database
163
Return Channel Manager
160

Fig. 1

5/-

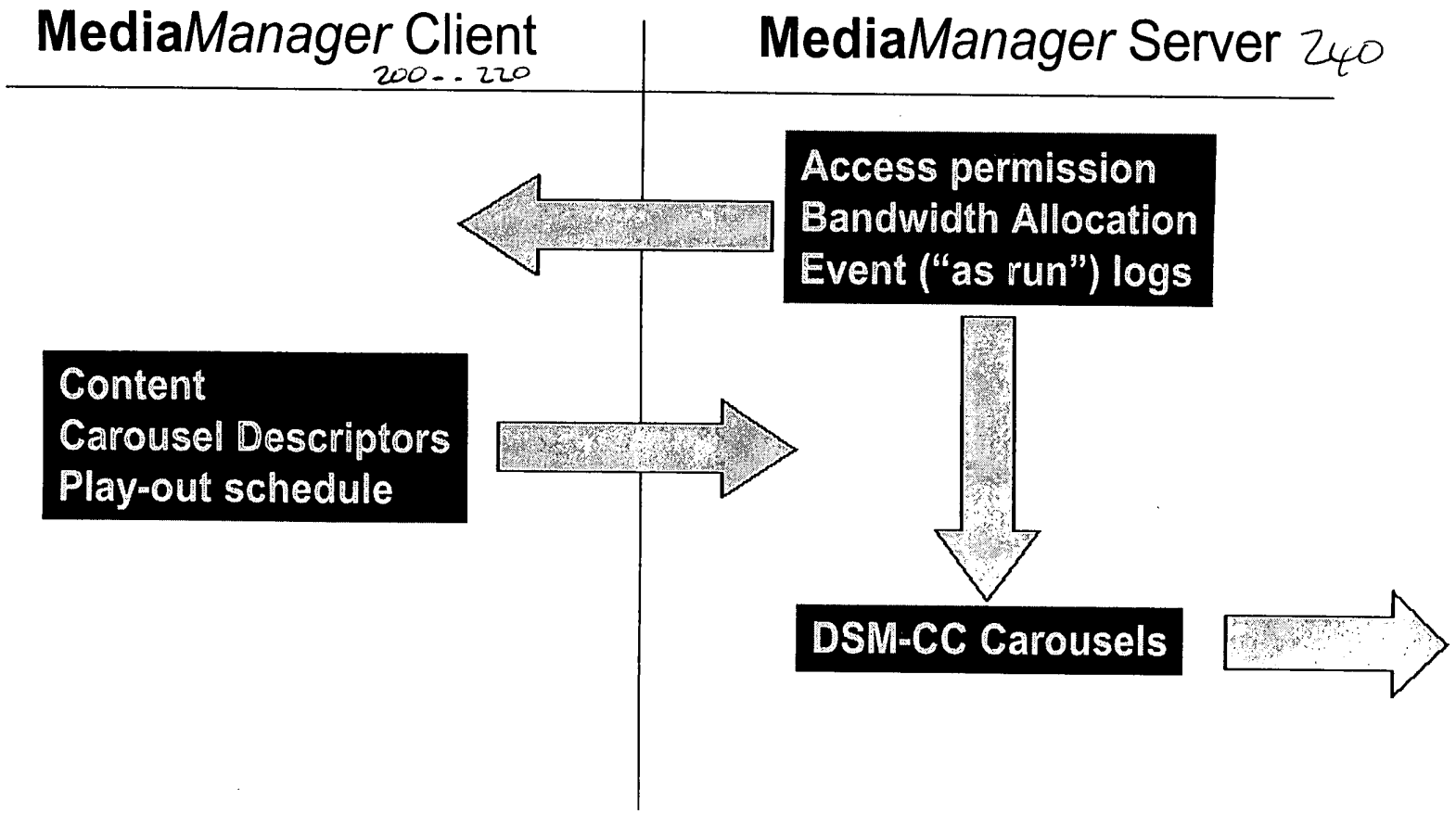
MediaManager Client
200 - - 220
MediaManager Server 240
Access permission
Bandwidth Allocation
Event ("as run") logs
Content
Carousel Descriptors
Play-out schedule
DSM-CC Carousels

Fig. 2

client	time period	bandwidth

Fig. 3

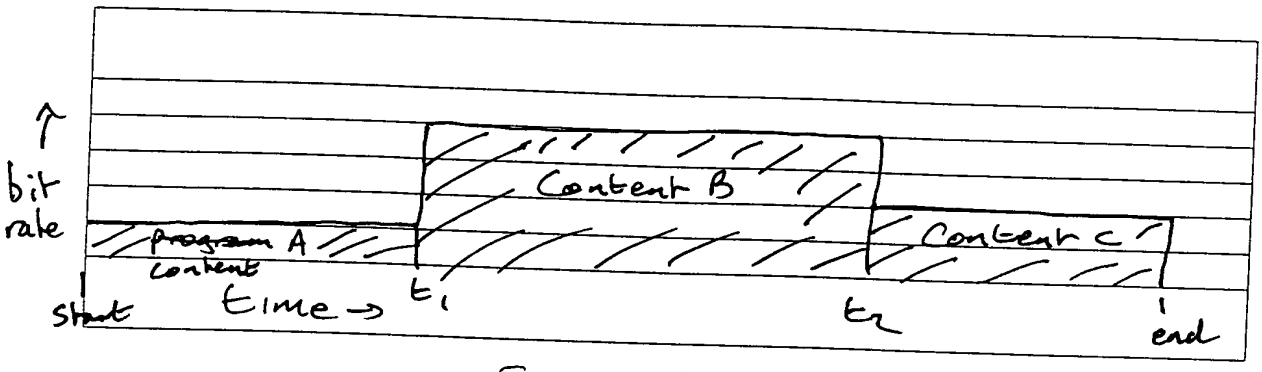

Fig. 5

Reference name	File name	Playout
Page 1	aaa.prg	Y
Page 2	bbb.prg	N
Page 3	ccc.prg	Y
Page 4	ddd.prg	
	eee.prg	
	fff.prg	
Page 5	ggg.prg	Y
Page 6	hhh.prg	
	iii.prg	
	jjj.prg	
	kkk.prg	

Fig. 6

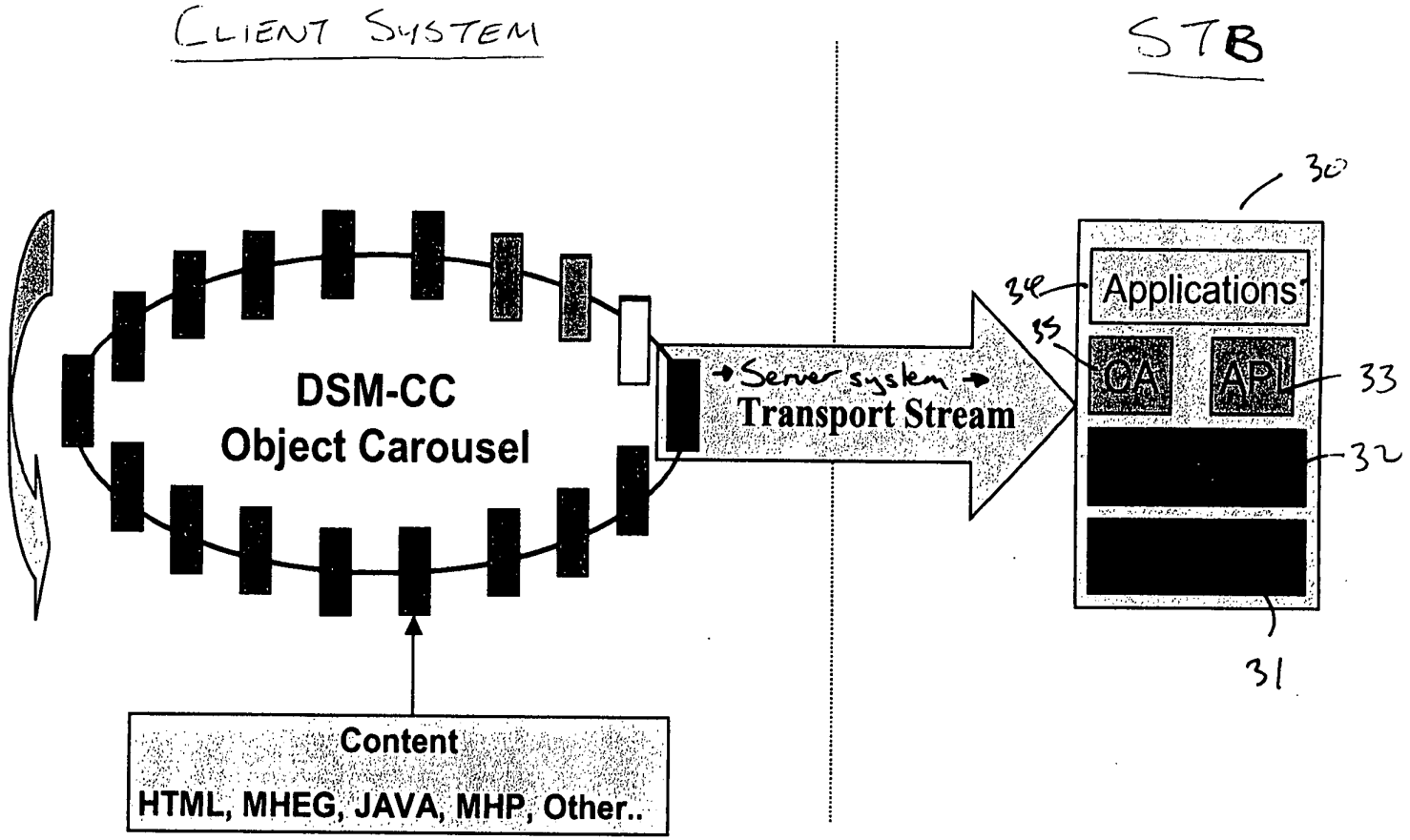
CLIENT SYSTEM
STB
30
Applications
34
35
CA
APL
33
32
31
DSM-CC
Object Carousel
Server system
Transport Stream
Content
HTML, MHEG, JAVA, MHP, Other..

FIG. 4

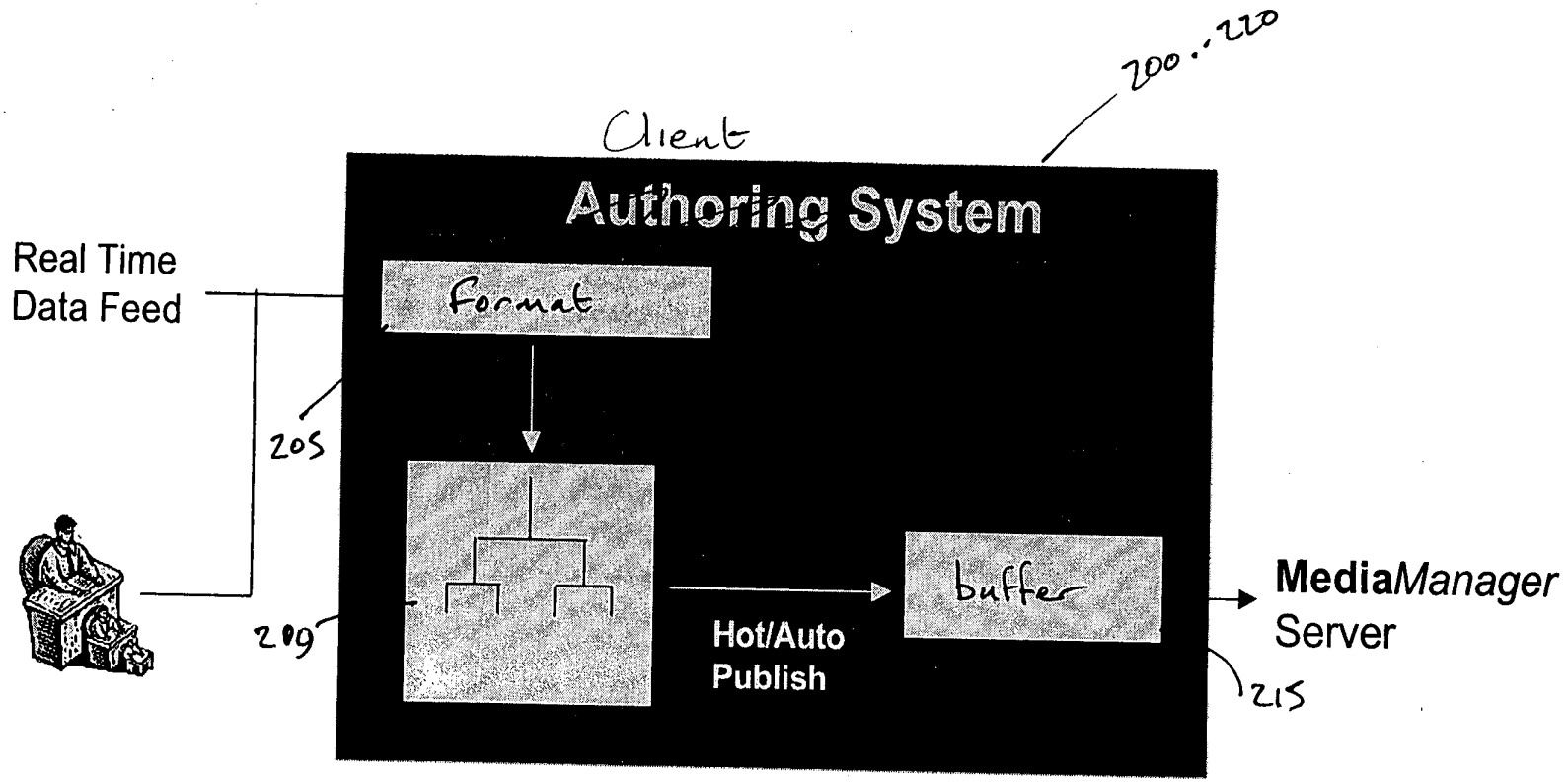
200..220
Client
Authoring System
Real Time
Data Feed
Format
205
209
Hot/Auto
Publish
buffer
MediaManager
Server
215

Fig. 7